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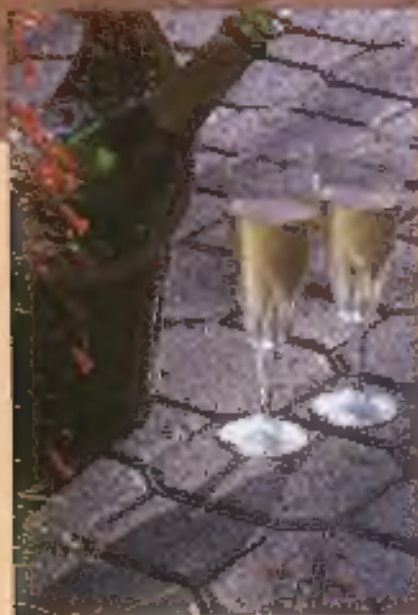
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Cover photo of the main facade of the Gallery at Bay Harbor from the Korte Concourse
Architect: Jaime Schapiro. Photo by Mark Gunkel Photography (S) (RSC)

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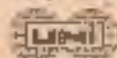
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The year got off to a good start with a new publishing schedule and some exciting designs which were featured in the first issue of 1984. The quality of the articles and photographs which were submitted for the January issue got us excited and geared up to go on. I think this issue is equally interesting for it focuses on a number of projects from Miami to Pensacola which incorporate exciting design concepts in their massing, fabric, plan ... even color. This issue sums up a lot of what I feel about what's happening to Florida architecture right now. It's innovative and it's humanistic and it's good for the people. If you question that statement, consider City Park in Fort Lauderdale. It's a parking garage that's every bit as much for the people as it is for the auto.

In the next four issues of 1984, we'll take a look at a thousand bed stockade that looks like anything but a jail. You'll read about the new School of Architecture at Florida A & M in Tallahassee, multi-family housing with a twist, theatre restorations around the state that are saving the best of what's old and that's just "the tip of the iceberg."

With the guidance of a Publications Committee composed of FA/AIA members who have guided the progress of the magazine for the last three years, we are directing our attention to redesigning the graphics of FLORIDA ARCHITECT. With a new, and hopefully more exciting format, in which to present your projects to our readers, we hope this publication will be better than ever.

Diane D. Greer

Main Street Program Coming To Florida

Civic leaders in hundreds of cities and towns are hard at work, breathing life back into Main Street. Whether it's the major downtown corridor in a small town or a neighborhood commercial area in a big city, Main Street has been rediscovered. As they strive to reinforce and rekindle the economic vigor and the values Main Street symbolizes, states and towns often turn to the National Main Street Center for assistance.

The National Main Street Center is a human resource and technical reference program set up by the National Trust for Historic Preservation to stimulate economic development within the context of historic preservation. The Center helps develop comprehensive strategies for economic revitalization which emphasize Main Street's present and historic assets yet recognize the need to adapt in order to serve today's markets. Tallahassee is an excellent example of the unlimited possibilities that are available in terms of downtown redevelopment. There is a massive undertaking going on at present in Tallahassee to preserve much of Main Street (Maine) and Adams Street which parallels it only block to the West. Old buildings are being restored and adapted for contemporary uses and life is being breathed back into alleys and sidewalks and city commons.

In February, the National Main Street Center sponsored "Revitalizing Downtown: Understanding Real Estate Development." This training program examined roles that public entities and private sector groups must play if they are to successfully direct real estate development in downtown areas.

For more information about the Main Street Program contact the Florida Trust for Historic Preservation, P.O. Box 11208, Tallahassee, Florida 32302.

Architect Miller Deceased

Kenneth W. Miller, AIA, died October 11, 1983, in Orlando at the age of 74.

Miller was a 1932 graduate of the University of Florida School of Architecture. He is a former councilman for the City of Orlando. Miller was a retired Lt. Col. in the U.S. Army and a practicing architect until his health failed after World War II.

Lacancollera Earns Ph.D. in Architecture

George Lacancollera, CCS, a professional member of the Ft. Lauderdale CSI Chapter, has earned a Ph.D. in architecture, an extremely rare achievement for an architectural specifications writer.

Lacancollera became a CSI professional member in 1961, in the Metro New York CSI chapter. Since then he has been a delegate to several CSI conventions, and an officer of the Ft. Lauderdale chapter.

For a decade, Mr. Lacancollera was associate in charge of specifications for Edward Durell Stone and Associates, NYC. For the past fifteen years, he has been an architectural specifications consultant, serving many prominent architectural firms in the country. He has been in his profession for 35 years and enjoys the expertise gained by his involvement in several billion dollars worth of very large sophisticated projects throughout the country.

Lacancollera practices in Boca Raton where he works with a number of Florida architects.



Lacancollera

Emeritus Architect Monberg Passes

Lawrence H. Monberg, Sr., Architect

Emeritus, died on November 3, 1983. His career spanned six decades and he was listed in Who's Who in America for his architectural achievements.

Born in Copenhagen, Denmark, into a family of architects, he studied at the Ecole des Beaux Arts in Paris and the School of Adler Rebuti and he designed many significant buildings in the grand manner.

In Chicago, he designed Ricketts International Restaurant and the famous Kungsholm Theatre Restaurant remembered for its puppet operas. His work throughout the Midwest in educational design ranged from award-winning elementary and secondary schools to college and major university campuses.

Monberg was a longtime Emeritus member of the Florida Association of the AIA and he left a legacy of fine architecture to remember him by.



Monberg

New Publications Available

A comprehensive professional liability loss prevention teaching guide has been published by the Association of Soil and Foundation Engineers (ASFE). Titled *The Guide to In-House Loss Prevention Programs*, the new publication has been designed for a variety of applications. The guide will be used principally, however, for conduct of in-house seminars by consulting engineering firms, to better acquaint project managers with important professional liability loss prevention principals and techniques. It can also be used to assess prospective employees' knowledge of loss prevention practices, and to determine what additional education

those recently hired may acquire.

The guide is available at \$50.00 per copy from ASPE, 8811 Colesville Road, Suite 225, Silver Springs, Maryland 20910.

The National Lighting Bureau publishes a variety of guideline booklets which are all listed in a publications directory available without charge from the National Lighting Bureau, 2101 L Street Northwest, Suite 300, Washington, D.C. 20037. New booklets include such titles as *The Energy-Saver's Guide to Good Outdoor Lighting* and *Lighting Energy Management for Colleges and Universities*.

Millions, if not billions, of dollars could be saved each year through application of numerous simple techniques that can improve construction industry productivity. These techniques are discussed in *More Efficient Electrical Construction*, a new 16-page monograph published by the National Electrical Contractors Association (NECA) as part of its *Electrical Design Library* (EDL) series of periodical monographs. A copy of the new publication is available without charge by writing to NECA, 7315 Wisconsin Avenue, Bethesda, Maryland 20814-3299.

Anti-Nuclear Architects Group Formed

Architects for Social Responsibility is a national non-profit organization of architects, related professionals and students. It was organized to help the public to understand the catastrophic consequences of nuclear war and the negative effects that massive and disproportionate expenditures for nuclear weapons have on the quality of life in America.

Two of the group's objectives are to mobilize the profession as part of a national grass roots movement whose objective is to prevent the destruction of our civilization by nuclear war and to consolidate and expand research in order to understand and clarify the impact of nuclear war, or the accidental detonation of a nuclear device, on the man-made environment and its population.

The Board of Advisors to Architects for Social Responsibility is a list of the most prestigious architects in the country including Gwathmey, Graves, Tigerman, Venturi, Giurgola, Pei and Roche, just to mention a few.

According to literature being distributed to potential members, the most valuable asset of ASR is its access to fellow professionals who collectively are among the most creative people in the world.

If you are interested in helping the ASR with financial support, you may write to Perry Blum, Coordinator ASR, 225 Lafayette Street, New York, New York 10012.

Evans Appointed to AIA Housing Committee

Donald F. Evans, AIA, president of The Evans Group, has been appointed to the 1984 Housing Committee of the American Institute of Architects.

His appointment was made by the AIA Board of Directors and announced by AIA President George M. Notter, Jr., FAIA.

An integral part of the AIA Design Commission, the Housing Committee focuses on national and regional issues involving design quality, costs, neighborhood quality, zoning and density. It is also charged with exploring the public commitment to housing and public-private partnerships.

Evans has been a regular contributor and consultant to the housing industry since forming The Evans Group eight years ago. He specializes in architectural design and environmental planning as well as market analysis, economic feasibility and project coordination.

A graduate of the University of Miami, Florida, and former associate with Berkus Associates of California and Schweizer Associates of Orlando, Evans has established a team of over 50 planners and designers working from Florida offices in Orlando and Coral Gables.

In the past twelve months, The Evans Group has earned 38 major design and planning awards for its residential and non-residential project work in twelve states.



Evans

Member News

The University of Florida's College of Architecture has chosen two new assistant deans to oversee its instructional and research activities. Professor Edward E. Crain, AIA, will administer the college's instructional activities and the research activities will be directed by Professor Richard H. Schneider. Thomas D. Montere, AIA, has just joined the Central Florida firm of MHDP/Architects. Montere was formerly with Greenleaf-Talasca in Miami. Gee & Jensen Engineers-Architects-Planners Inc. has begun design of Greenway Plaza, a 23,000-square-foot visitor center and truck plaza at the intersection of S.R. 46 and I-95 in Brevard County. Spillis Candela & Partners in Coral Gables has received an award for the city of Miami (University of Miami James L. Knight International Center) Hyatt Regency Complex in Downtown Miami. The building was chosen for the Outstanding Concrete Award by the Florida Concrete and Products Association.

Spillis Candela & Partners together with Diaz Seckinger & Associates of Tampa has been selected for the design of new facilities at Tampa's Veteran's Hospital. Q. Phillip Dolan is the new Vice President of Marketing at Spillis Candela. Schwab & Tutty, Inc. of Palm Beach have received two National Builder's Choice Awards for two of their projects. The projects were Esplanade, a residential tower on the Gulf in Naples and the North Palm Beach County Senior Citizen's Center. The Builder's Choice Awards are sponsored annually by *Builder Magazine* and the National Association of Home

Builders. "Who Beat the Evans Group?" was the headline in The Miami Herald after the Florida-based architects and planners literally ran away from the competition in the 11th annual *Fame* awards, taking a total of 16 architectural design awards. *Fame* (Florida Achievement in Marketing Excellence) recognized achievements in a number of areas including architecture and the Evans Group won six first place awards.

William Morgan, FAIA, presented a program entitled "Shaping Space" to the Palm Beach Chapter AIA at their December meeting at the Henry Morrison Flagler Museum. In recognition of fifty years of support, the University of Florida Department of Architecture has dedicated its 1983 Yearbook to Andrew Ferendino, FAIA. Ferendino is a 1933 graduate who began his professional career in association with Russell T. Panchosel, Jr. in 1978. Ferendino resigned from his position as Chairman of the Board of Ferendino Griffin Spillis Candela.

Huntton Shivers Brady Associates in Orlando has named three new associates to the firm. Craig Rader, AIA, has been with the firm since 1979 and is currently assigned Project Management, Construction Supervision and Plans Review.



Rader



Pyrol



Van Gunkel



Skuraw



Gooch



De Quevedo

Fred H. Payer, Jr., AIA is a Project Architect who has been with the firm since 1982 and John H. Van Gunkel, AIA, is Project Manager of the Medical Facilities Consultants, a Joint Venture of Hunton Shivers Brady and Tilden, Lounitz and Cooper, Inc. Charles Brock Young & Associates of Orlando has been awarded the design of a 140 townhome project called Riverwood Landing which is sited on the banks of the Econlockhatchee River north of Orlando. The site plan includes an eight-acre, park-like environment that will feature tennis courts, nature bridge, canoe marina and a unique elevated clubhouse.

The Haskell Company in Jacksonville recently completed construction on The Grande Boulevard in the Deerwood residential community in Jacksonville. The project consists of a two-level, 298,000-square-foot enclosed specialty mall. It was designed, engineered and constructed by Haskell, as was The Dunes Club at Amelia Island, a 450-unit condominium on the Atlantic Ocean which will have its first phase of apartments ready for occupancy in May. The U.S. Navy's first double-deck pier, designed by Gee & Jenson of West Palm Beach, may become a prototype for future pier construction. This new pier will eliminate much of the congestion which occurs on existing single deck piers as well as offering improved service to fleet surface combatants. Gee & Jenson, Engineers-Architects-Planners have also completed designs and construction documents and construction has begun on new buildings for the Manatee County Port Authority. New construction includes an operations and maintenance building. Jay N. Edwards has joined Briel Rhame Pointer & Houser, Architects of Titusville as Manager of Construction Services. Jack F. Willis has been appointed Manager of the Architectural Division for that firm and Ray Pateraud, P.E. has been appointed Manager of Briel's Computer Aided Design Branch.

HHCP/Architects is moving from Winter Park to Maitland to occupy their new corporate headquarters building. Allen Helman, President and Managing Partner, says that the firm has designed the ideal office for itself. The building is 16,000-square feet with offices arranged by departments around the perimeter of

the building. Blueprint and copying areas are strategically located within the building and there are seven word processing stations specifically designed for HHCP's computers. There are twelve foot ceilings in the drafting room with exposed mechanical systems to create a high tech look. The new building houses the company's 50-plus staff with space to extend in the future.



HHCP Office Building

Walter Martinez, AIA, Vice President of Russell, Martinez, Holt, Architects, Inc. in Miami spoke to "Forum," the National Convention of architectural students associated with the AIA during their annual meeting in Atlanta last November. Martinez addressed the group on the subject of Equal Opportunities to Minority Students. Richard C. Skuraw, I.D.S.A., has been named Executive Director of Schwab & Twitty Architectural Interiors and Environmental Graphics, an organization which has evolved from Schwab & Twitty Interiors. Skuraw is the newly elected chairman of the Southeast Chapter of Industrial Design Society of America. Jorge L. Souza and Julio Ripoll have been named architectural designers for the Coral Gables office of The Evans Group. The appointments are in keeping with planned office expansion.

Nancy Cameron-Egan joined Inter-space Inc. as Vice President and Director of Marketing. Ms. Cameron spent two years with CRS in Houston. She is a graduate of the University of California with graduate work completed at the University of Paris. Doug Gooch is the new Director of Marketing for Architects Design Group of Florida, Inc. in Winter Park. Gooch is a graduate of the University of Kansas and a nationally recognized speaker on "Marketing Communications for the Design Professional." The Faculty of Architecture, University of Maryland is featuring an exhibition of the work of John

Amos Steffian, FAIA, of Aragon Associated Architects, Spitta, Candela and Partners, Inc. of Coral Gables has been selected as a finalist in the New Orleans Museum of Art Expansion Design Competition. Six finalists were chosen from among 192 entries from all over the country. The selections were made by an eight member jury chaired by Henry C. Cobb, FAIA, of I. M. Pei and Partners. The Spitta Candela design team is composed of Julio Gabriel, Rolando Llanos, Rafael Portuondo, Jorge Louis Trellas and Luis Trellas. Carlos Ruiz De Quevedo, AIA, has joined Architects International Inc. as a principal. Ruiz De Quevedo will serve as Vice President and will oversee the activities of business development.

LETTERS

Dear Editor:

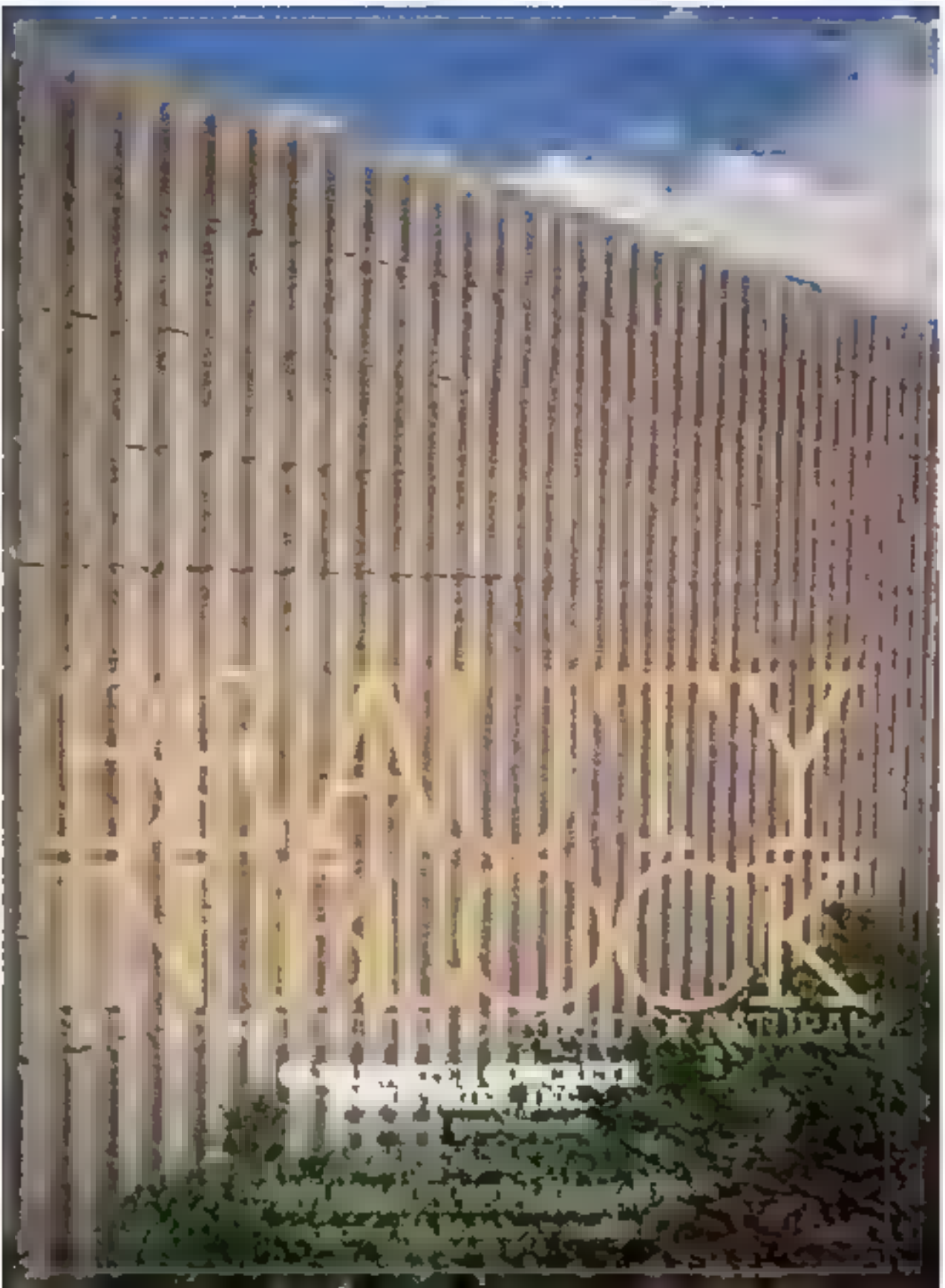
The 1983 Fall issue of *The Florida Architect* contained an article entitled "Prairie School in Puerto Rico: Antonio Nechodoma" written by Thomas S. Marvel, FAIA. A photograph of the "Wilson House" in Tampa and several statements referring the home, state that Nechodoma is the reputed designer.

It seems there is quite a bit of confusion concerning the Architect, apparently starting with an article in *The Florida Architect*, January 1970 titled, "Florida's Heritage Trail" written by Blair Reeves.

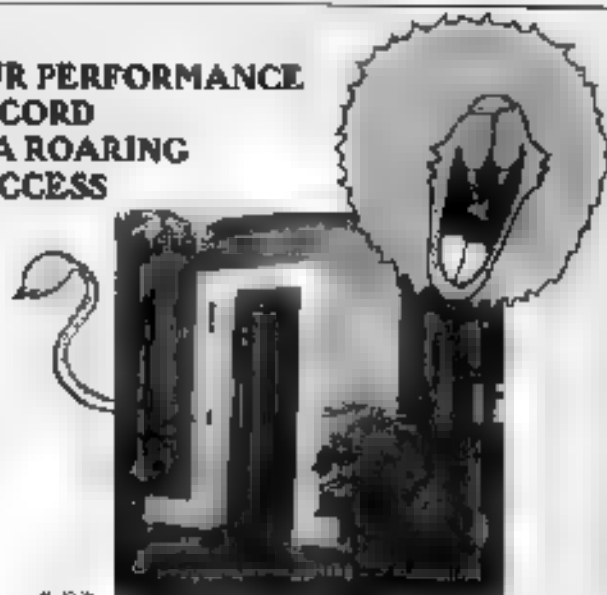
To hopefully clear up any further questions concerning the designer, I have enclosed a copy of the front page from the original Specifications. The house was originally designed for Henry Leiman during 1914. The architectural firm is Bontoby and Elliott, which my grandfather, M. Leo Elliott, founded upon arrival in Tampa. M. Leo Elliott was also a charter member of the Florida Association of the American Institute of Architects and his registration number was five (5).

I would appreciate your printing a correction to this article in your next issue of *The Florida Architect*.

Yours very truly
Lydia Elliott, IBD



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THOUGHTS ON EXISTENTIALISM AND ARCHITECTURE

Scott Allen

If Aldo Rossi is a rationalist, which could be debated, then he is inherently at odds with existentialism.

Rationalism is based on reason and the mind, not on experience. Most rationalists utilize logic and pure geometry as their primary "tools" that do not depend on the external world. In contrast, existentialism and phenomenology are dependent on real-life situations, which Martin Heidegger aptly refers to as "things" that are part of the world environment.

In Aldo Rossi's architecture, which he terms "autonomous architecture," he is moving from the known reality of the world into one where the image itself is based on its appearance only. According to Francisco Dall'O in his essay on "Illusion and Design," an understanding of Aldo Rossi's work can be achieved with reference to one of Nietzsche's writings titled "The Will to Power as Knowledge." In this writing, Nietzsche says, "Appearance belongs also to reality; it is a form of its being."

This statement views the world as "fundamentally divided. In such a world all acts...of production, or formation, of appearance...can only express their own reality, never those of others." Dall'O then reveals the intentions of his polemic: that the autonomy of Rossi's architecture is an alternative to reality, where the interpretation of its appearance has become an infinity of realities. This suggests that the observer is now given a freedom to interpret the images in any fashion, but, in my opinion, all images are tied to some form historical and cultural association.

plemented by analysis of a form or representation and simply seen as a process that mechanically represents ideology, it becomes unreadable for itself, and

ably. Where this leads in regard to Aldo's work within traditional methods of analysis, instead of integrating a myriad of areas of interest, this method demands total separation of the concept of "autonomous architecture" or human life is not explained. What is most disturbing in Rossi's book *The Architecture of the City* is in fact the intellectual

Many are critical of Rossi's architecture for its disregard for human context. According to the philosophical description of his work, the existing reality is not something he cares to generate; his work from Rossi alludes to the genesis of his work in the following statement: "If any architecture progress does not and cannot exist, there is only a process of descriptive classification of my ideas of architecture. Nor

writing is typology. Schutz's concept of 'vocabulary' relates to architectural structure and composition that invokes 'gatherings.' Rossi takes a somewhat mysterious

viewpoint where he does not develop the

typology of his work, but rather focuses on what is closer to its essence. Formally, Rossi's architecture is composed of these "late" types that do not imitate upon one another but maintain their most simple

ance, stating, "he does not integrate the structure and character of the types. Therefore, he cannot approach the problem of adapting type to local conditions, modes, which participate in mechanistic and combinatorial

more on the production of types, he has distinguished two separate ideas relating typology to the production of architecture. The first is the "neoplatonic theory of original types that preceded the city, and in architecture either in geometrical

theory has been demonstrated by Quatremere de Quincy who left the eternal type. Its perfect achievement was the Greek Temple. In other words, this viewpoint

of perfect forms. It also relates to Rossi's discomfort with consumption and production society that has created programmatic requirements in architecture that render function without altering these early types.

Jablon was developed by Durand, who was primarily interested in the ability to modify existing types in order to accommodate various requirements. By the middle of the 19th century, high theories had merged, represented by a rational conception of structure and program utilization (Le Corbusier and Labrouste). As no architect in a long time arrived, the theory of type merged into the process of mass production, eliminating new building forms as the *Unité d'Habitation* by Le Corbusier. What this means in relation to Aldo Rossi is a rejection of mass individualism and a return to individual society where architectural opportunity retains its distinct presence. It could be argued that is appropriate for his architecture to be autonomous because society as it exists is less than ideal.

Rossi's architecture tends to empty size into life's problems as a prerequisite for being. There is an architectural implication of making shelter in many of his projects. Rossi has stated that many of his forms and images have been inspired from rural farmhouses and sites along with factories and bridges. These building types generally offer minimal shelter primarily for economic reasons. The architectural form is a visual interpretation from farmhouse to one of Rossi's works is if not many his buildings define personal ornamentation. According to Rossi, when society has removed these engrained images, it will be a better place. "We may be true but it is difficult to disregard history as well as the fact that cultures have instituted humanity does not exist in a vacuum but in a continually evolving structure where the meaning of built form is architecture reassures itself and radiates." Rossi prefers an autonomous architecture because he feels that most recent historical relationships are perceived as identification with a consumer society. But, architecture is appropriate medium to express the individual or consumer society. Does visualization of the idea of built form change society's values or does it merely inhibit life for the individual shying of the architecture? Architecture should not promote conformity to a certain style, but should allow individuals to be expressive and unique. This is what makes life rich and livable in Rossi's works housing schemes in Gallarate, see an engagement on people's will to be unique. A monument would be a more appropriate place to express Rossi's ideas about society than a place where people have to live. This is possibly one reason why Rossi finds such significance in monuments in the urban context. They do not have to deal with either the functional and

practical emotional requirements of a living environment.

An architecture that is sympathetic with existential philosophy will attempt to be expressive of man's creative will and while its primary concern is utilitarian and interpretation. Everyday life conditions and situations are unique, so to ensure permanent human relationships not just permanent architecture or structures. The process of the built environment is distinguished only to be repeated by a monotonous repetition of window openings and a stripping of all texture and ornament. Making does not have to do

with a loss of texture and enrichment in his material world. Meaning in life is fundamental; human needs must be addressed in architecture as a community, not a device. This communication is not function, but a desire for individual autonomy. A direct result should create an expressive language that will reinforce tradition and continuity in an interactive, culturally based society composed of unique, free individuals.

Scott Adams is a student of Architecture at the University of Florida.



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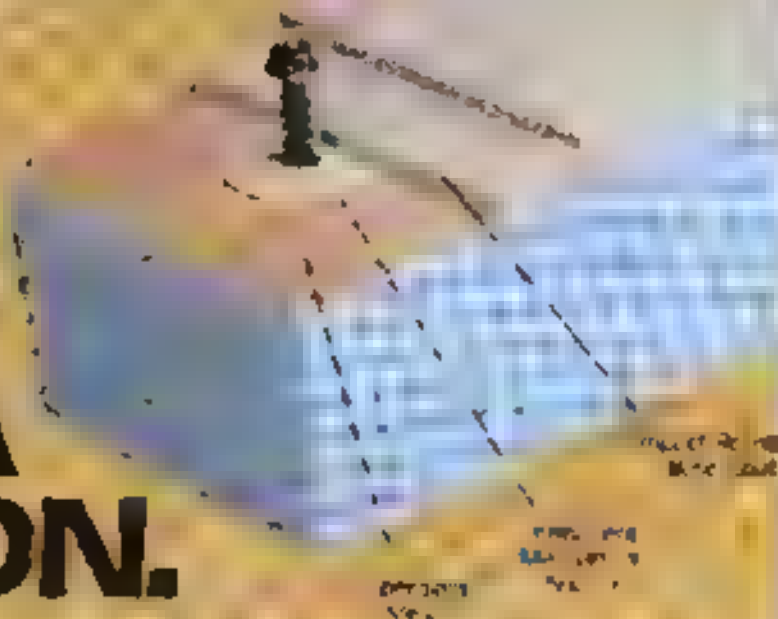


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CITY PARK: CREATING BEAUTY OUT OF NECESSITY

Don Simpson



PHOTOGRAPH BY
JAMES M. HARRIS

PROJECT

City Park
Los Angeles

ARCHITECT

James M. Harris

PROJECT TEAM

James M. Harris
Architect
Los Angeles
California

GENERAL CONTRACTOR

James M. Harris
Los Angeles

MECHANICAL PARTNER

James M. Harris
Los Angeles

STRUCTURAL ENGINEER

James M. Harris
Los Angeles

LIGHTING CONSULTANT

James M. Harris
Los Angeles

SCULPTURE & GRAFFITI

James M. Harris
Los Angeles

TRAFFIC & PARKING

James M. Harris
Los Angeles

EXHIBITION

James M. Harris
Los Angeles

LANDSCAPE ARCHITECT

James M. Harris
Los Angeles

OWNER

James M. Harris
Los Angeles

The City Park is a new cultural center in Los Angeles, California. It is a multi-phase project that will include a new museum, a new theater, and a new concert hall. The project is being developed by the City of Los Angeles and is being designed by James M. Harris. The project is a major addition to the cultural landscape of Los Angeles and will provide a new home for the city's cultural institutions. The project is a multi-phase project that will include a new museum, a new theater, and a new concert hall. The project is being developed by the City of Los Angeles and is being designed by James M. Harris. The project is a major addition to the cultural landscape of Los Angeles and will provide a new home for the city's cultural institutions.

over very narrow buildings when people

1. The first thing I noticed when I stepped out of the car was the smell of old concrete and the sound of distant traffic. The building was a long, narrow strip of concrete, with a series of small, square windows that looked like eyes. The ground was a mix of dirt and gravel, and the air was thick with the smell of exhaust.

2. The second thing I noticed was the lack of parking. There were no parking spaces, no parking lot, no parking garage. The building was a long, narrow strip of concrete, with a series of small, square windows that looked like eyes. The ground was a mix of dirt and gravel, and the air was thick with the smell of exhaust.

3. The third thing I noticed was the lack of parking. There were no parking spaces, no parking lot, no parking garage. The building was a long, narrow strip of concrete, with a series of small, square windows that looked like eyes. The ground was a mix of dirt and gravel, and the air was thick with the smell of exhaust.

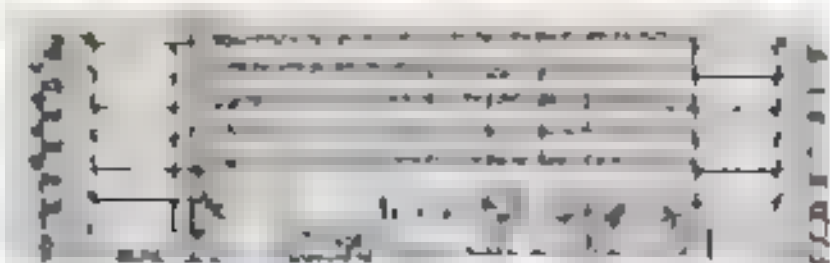
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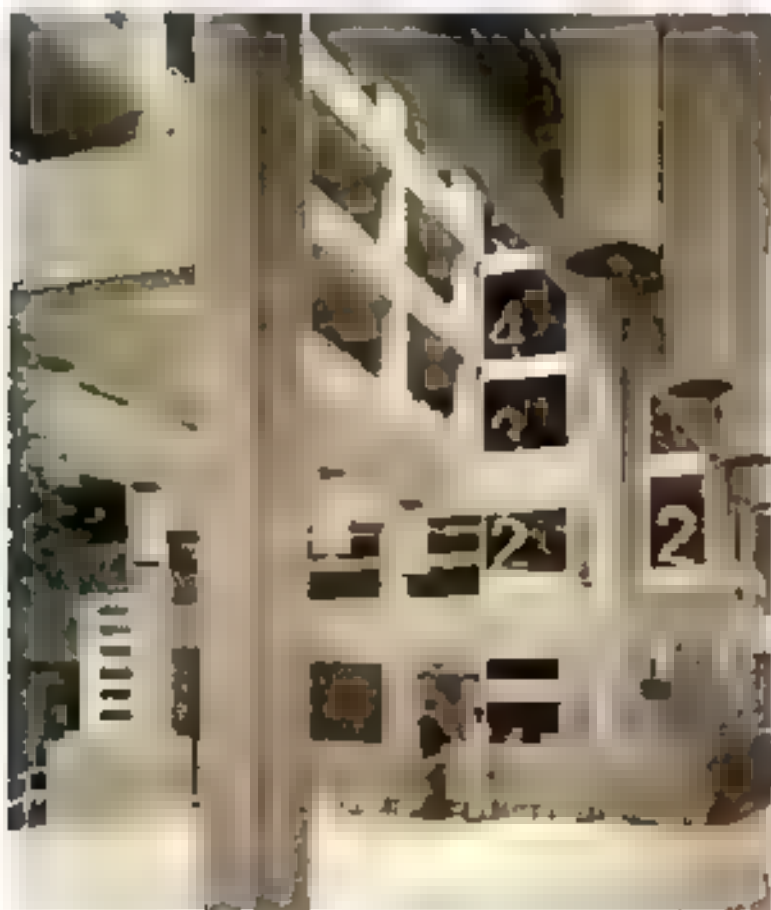
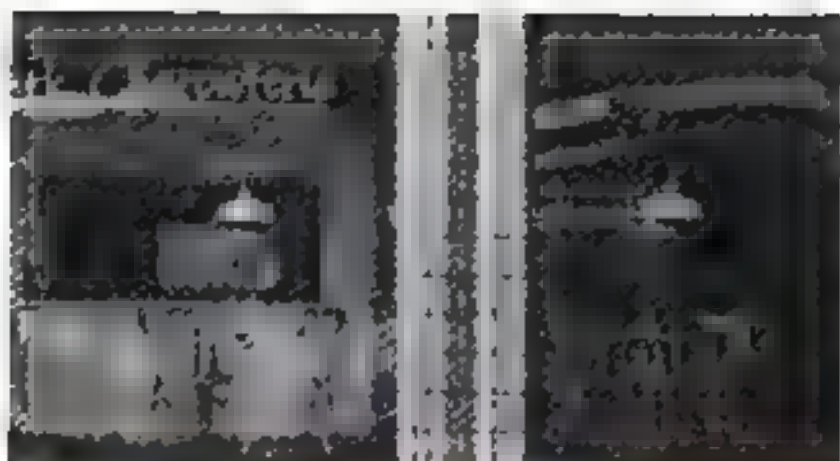
5. The fifth thing I noticed was the lack of parking. There were no parking spaces, no parking lot, no parking garage. The building was a long, narrow strip of concrete, with a series of small, square windows that looked like eyes. The ground was a mix of dirt and gravel, and the air was thick with the smell of exhaust.

6. The sixth thing I noticed was the lack of parking. There were no parking spaces, no parking lot, no parking garage. The building was a long, narrow strip of concrete, with a series of small, square windows that looked like eyes. The ground was a mix of dirt and gravel, and the air was thick with the smell of exhaust.

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8. The eighth thing I noticed was the lack of parking. There were no parking spaces, no parking lot, no parking garage. The building was a long, narrow strip of concrete, with a series of small, square windows that looked like eyes. The ground was a mix of dirt and gravel, and the air was thick with the smell of exhaust.





The image shows a modern interior space, likely a staircase or hallway, with white walls and a glass railing. The railing has a white, geometric design. The space is brightly lit, and the railing has a white, geometric design.

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JAIME SCHAPIRO AND THE GALLERY AT BAY HARBOR

Diana D. Greer

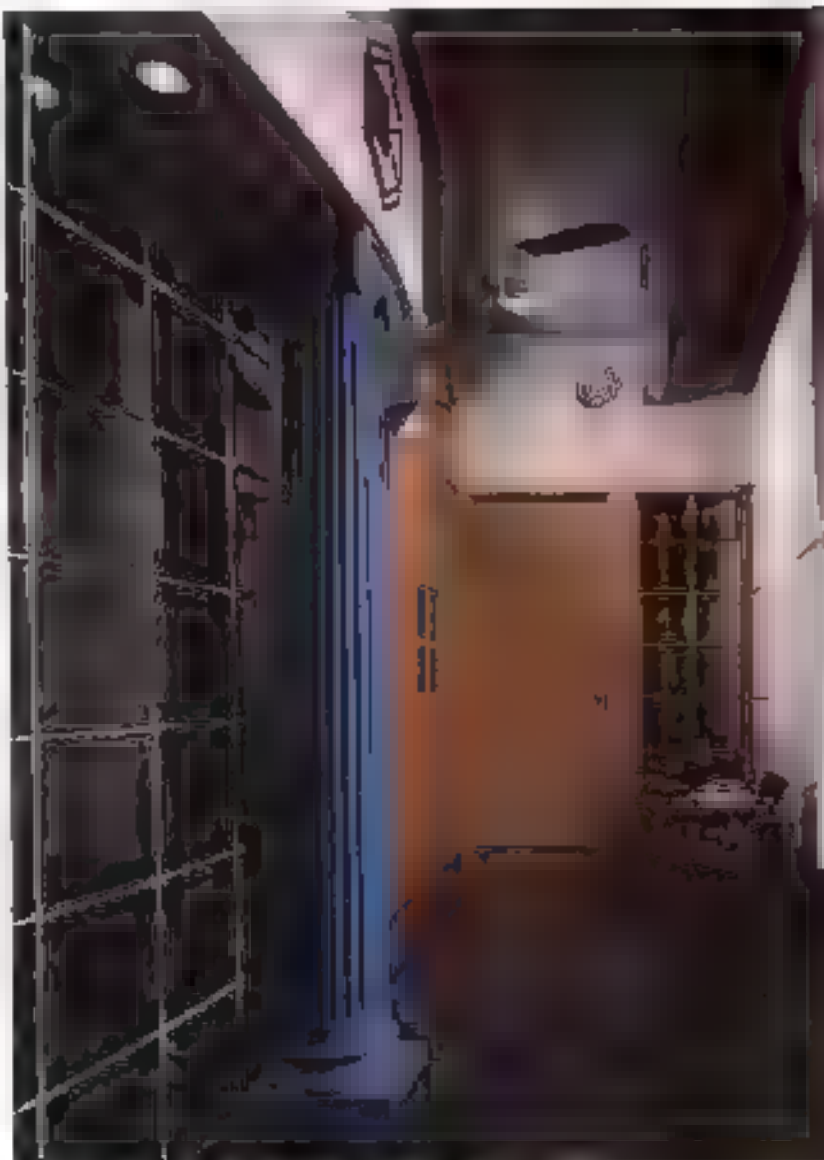
PROJECT	Bay Harbor Mall, Bay Harbor, Fla.
ARCHITECTS	Jaime Schapiro & Associates, Inc. Miami, Fla.
CONSULTING ENGINEERS	W. H. & J. H. Long Architects, Inc., Inc. Miami, Fla.
CONTRACTORS	J. H. & J. H. Long Inc.
OWNER	Bay Harbor Mall, Inc. Miami, Fla.

Jaime Schapiro & Associates, Inc. was awarded a contract to design the Bay Harbor Mall, a new shopping center located in the heart of the city of Miami, Fla. The project was completed in 1984 and is now open to the public.

The Bay Harbor Mall is a new shopping center located in the heart of the city of Miami, Fla. The project was completed in 1984 and is now open to the public. The mall is a new shopping center located in the heart of the city of Miami, Fla. The project was completed in 1984 and is now open to the public. The mall is a new shopping center located in the heart of the city of Miami, Fla. The project was completed in 1984 and is now open to the public.

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Bay Harbor Mall, Bay Harbor, Fla. (Jaime Schapiro & Associates, Inc.)

to make the rest of the building typical of the Florida office building. The design of the space is also from punk to the future. The building is a mix of old and new architecture. The building is a mix of old and new architecture.

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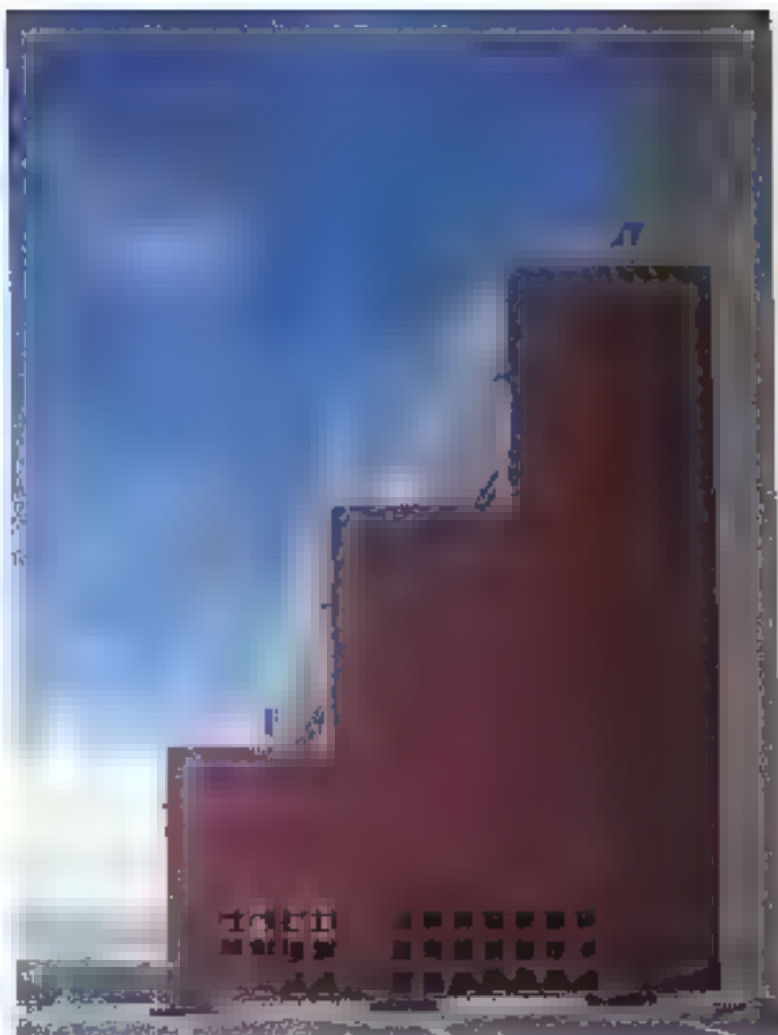
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Architect: [illegible]
Client: [illegible]
Location: [illegible]
Date: [illegible]



black on the main facade and tinted gray on the doors of the east steel shop. And on the back terraces support the various shades.

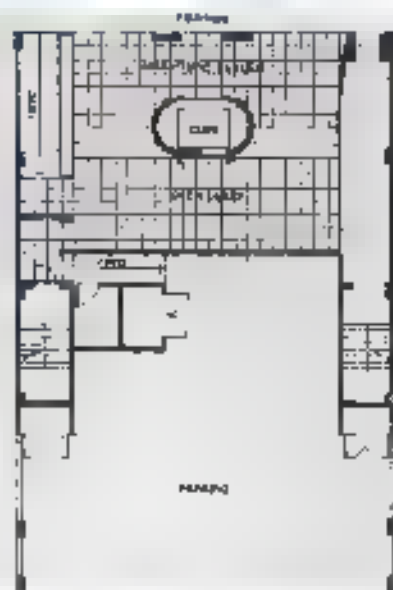
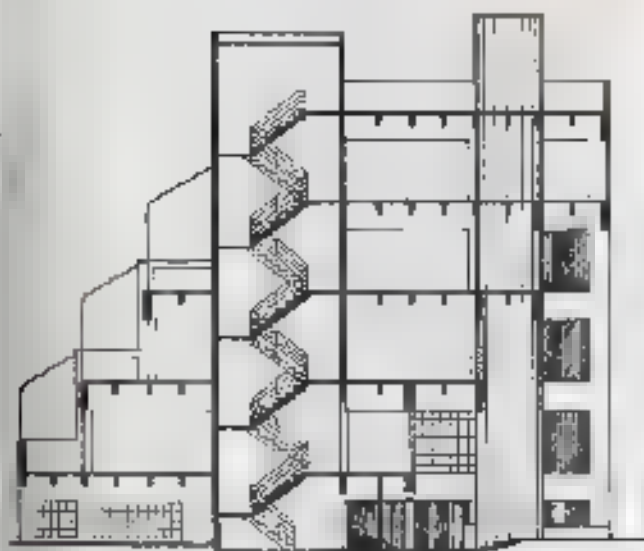
To further enhance his corporate image, J. Paul Jones, Jr. is resulting in the building's formal entrance was produced. The entrance is a simple, yet monumental, multi-level space. A central column, at the center of the space in an inviting way.

When the elevator shaft is in the middle of a floor, the building's solidly. It is created as a column and a simple, repetitive pattern of columns.

The 10-story modular was designed to be a work of art, a series of materials and colors. The building employs concrete, steel, and glass, and a variety of colors.

The 10-story modular has no major architectural features, and is a simple, repetitive pattern of materials and colors. The building employs concrete, steel, and glass, and a variety of colors.

The 10-story modular has no major architectural features, and is a simple, repetitive pattern of materials and colors. The building employs concrete, steel, and glass, and a variety of colors.



Top: Down 400 ft. into the ground, a 10-story modular building is built. Below: A 10-story modular building is built. Below: A 10-story modular building is built.

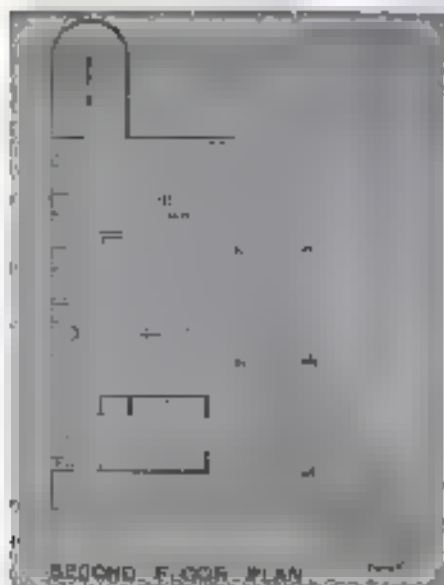
WILLIAM GRAVES: DESIGNING FOR FUNCTION, DELIGHT AND ECONOMY

Diane Giam



Above: The University of Tennessee Commons building, designed by William Graves & Associates, is a prime example of the firm's design philosophy. The building features a large, cantilevered upper floor and a prominent entrance.

Right: Graves' design philosophy is reflected in the University of Tennessee Commons building.



As an architect, Dr. Graves AIA says that he likes to design buildings that are "designed to delight, to function, to provide the user with a sense of purpose and to be economical." He is currently working on the design of the University of Tennessee Commons building, a 100,000-sq-ft building that will house the university's administrative offices. He is currently working on the design of the building, which is a prime example of the firm's design philosophy.

Bill Graves is a native of Tennessee with a degree in Philosophy and a degree in Architecture. He is currently working on the design of the University of Tennessee Commons building, a 100,000-sq-ft building that will house the university's administrative offices. He is currently working on the design of the building, which is a prime example of the firm's design philosophy.

Today the Graves office is busy with feasibility studies, programming, site selection, conceptual design and feasibility engineering and scheduling. Each of these things has a very important role to play in the design process. The Graves office is a prime example of the firm's design philosophy. The Graves office is a prime example of the firm's design philosophy. The Graves office is a prime example of the firm's design philosophy.

The Graves office is organized to provide a high level of service to its clients. The Graves office is a prime example of the firm's design philosophy. The Graves office is a prime example of the firm's design philosophy. The Graves office is a prime example of the firm's design philosophy.

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around myself and others. The knowledge that will lead to a better understanding of the world as it is, and the knowledge that will lead to a better understanding of the world as it should be. The knowledge that will lead to a better understanding of the world as it is, and the knowledge that will lead to a better understanding of the world as it should be. The knowledge that will lead to a better understanding of the world as it is, and the knowledge that will lead to a better understanding of the world as it should be.

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because we are all the same. The knowledge that will lead to a better understanding of the world as it is, and the knowledge that will lead to a better understanding of the world as it should be. The knowledge that will lead to a better understanding of the world as it is, and the knowledge that will lead to a better understanding of the world as it should be. The knowledge that will lead to a better understanding of the world as it is, and the knowledge that will lead to a better understanding of the world as it should be.



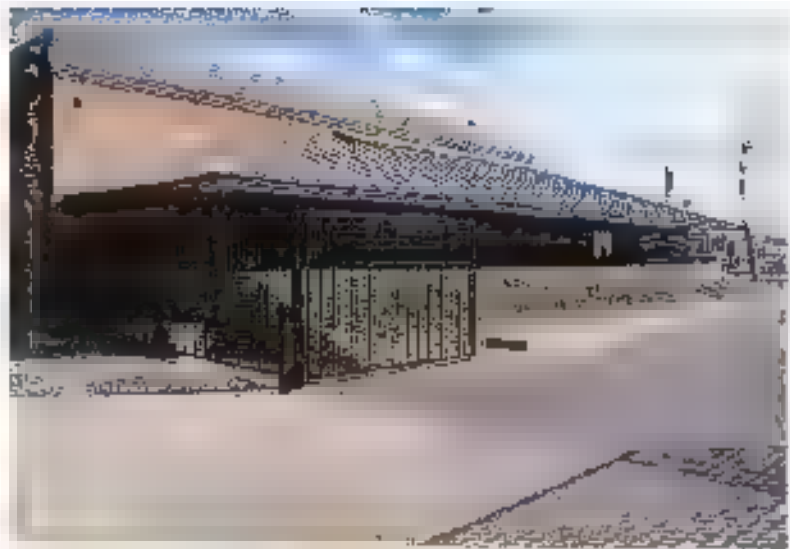
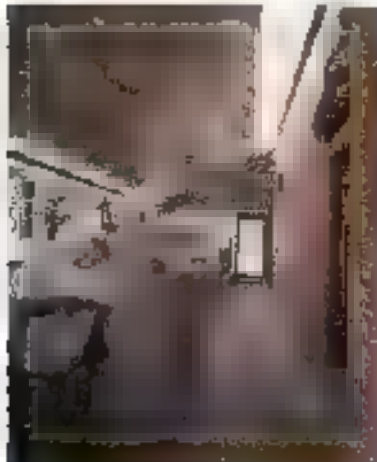
Below: The new building at the University of California, Berkeley.

Above: The new building at the University of California, Berkeley. The building is a large, modern structure with a unique, angular design. It is situated on a flat, open area, possibly a field or a large parking lot. The sky is overcast and grey. In the foreground, there are some small trees and a fence line.

The building is a large, modern structure with a unique, angular design. It is situated on a flat, open area, possibly a field or a large parking lot. The sky is overcast and grey. In the foreground, there are some small trees and a fence line.

[illegible][illegible]

Below right, bottom left: In May, three of the world's largest, most powerful tropical storms battered the Gulf of Mexico and the Caribbean. Below right: A tropical storm off the coast of Mexico. Below left: A tropical storm off the coast of Mexico.



PERDIDO KEY IS LOST NO LONGER

Ray Reynolds

History books first mention the Perdido Key area in 1693 when the French and the Spanish were trying to establish a boundary between Mobile and Pensacola. Navigators spotted a large bay between the two settlements and suggested that it be the boundary between French and Spanish territory. But when they returned to the bay again, they couldn't find it. They dubbed it Perdido Bay, or lost bay, and left it to the states and smugglers.

The name of Perdido Bay remained relatively lost for nearly 300 more years. But when the condominium boom really reached the northwest Florida coast in the 1970s, the sugary white sands

of Perdido Key were lost no longer.

During the past ten years many new homes and condominiums have been built on Perdido Key. Many of the buildings are without architectural distinction, but some were designed to be aesthetically and environmentally pleasing. Perhaps the most distinctive feature of Perdido Key is that it has not been completely overbuilt with projects of dubious architectural and structural integrity. Most of the land on the key remains undeveloped and in its natural state.

It will always be so. Perdido Key is a narrow strip of land, only 14 miles long. Of that 14 miles, seven miles has been preserved by the federal government as a part of the Gulf Islands National Seashore. Two more miles has been bought by the State and declared a state preserve. The rest of the 14 miles of land on Perdido Key will always remain undeveloped. It is for that reason that the property

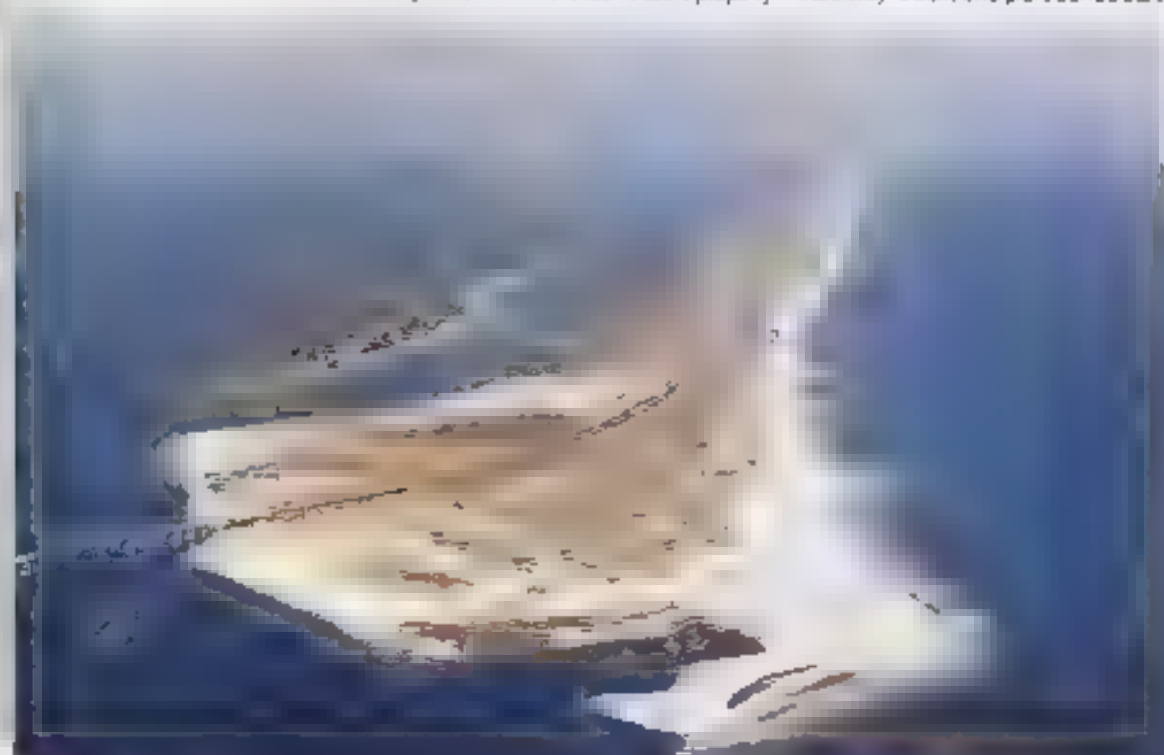
owners and developers on Perdido Key believe they have something special.

It took a special act of the Legislature to allow local zoning on this barrier island and in 1987 the county has adopted a zoning ordinance for Perdido Key that drew near-unanimous praise from homeowners and developers alike.

The zoning ordinance limits the density of residential projects on Perdido Key to 4 units per acre and requires side and setbacks of ten percent of the width of the lot. It sets no minimum lot size, but a structure one to four stories high can cover a maximum of 25 percent of the lot, and the maximum lot coverage gets less as the buildings get higher.

The state had already created a setback line on the gulf side of the key; the zoning ordinance adds an easement setback line on the other side, which runs along the Old River and the Intracoastal Waterway. Docks and piers can be built

Perdido Key, 14 miles long, is a narrow strip of land. Most of the land is undeveloped and in its natural state. The state has bought two more miles of the key and declared it a state preserve. The rest of the 14 miles of land on Perdido Key will always remain undeveloped. It is for that reason that the property



but they must be at least two-and-a-half feet above the water.

The zoning ordinance has had little effect on Paridlo Key, but it has not allowed most of the projects under construction to get their building permits before the ordinance became effective. Even without the strictures of zoning, however, most of the new buildings rising on Paridlo Key and there are a number of them—show some sensitivity for the fragile spit of land on which they are sited.

The construction boom that began on Paridlo Key in the early 1970s was spurred on by the influx of second-home buyers in the later 70s. But no boom is under full way. Numerous complexes have been built on the key since 1978 and more than half a dozen new projects are under construction now.

While there are some single-family residences and some small complexes

on the key, most of the recent construction has been high-rise condominiums and high-rise apartment complexes. Paridlo Key has developed fast, in part, because of the high prices that major projects, selling for high prices, have a chance of being economically successful.

Whether there are enough people willing to pay \$150,000 to \$300,000 for a two- or three-bedroom beach condo may be debatable. But the developers are aggressively seeking the top end of the market as they are working with architects who design with a high level of appeal to wealthy buyers. There are shortages of terraces and beach clubs and other amenities in these complexes.

After the current boom in construction completed, there may not be much more development on Paridlo Key. There are only two or three pieces of Gulf front property left that are big enough to accom-

moderate major projects. There is a large undeveloped wooded area on the far western end of the key, but most of that property is owned individually and some of the tracts include its use to single family dwellings.

There will be at least one more major development on the island. When the Jido Bay Resort, the developer of a huge residential and golfing community nearby on the mainland, begins developing its 35-acre site on the key, Dick Lacour, the owner of Paridlo Bay Resort, says he plans to build a condominium complex, a 200-room hotel and a number of commercial establishments.

Lacour's company owns the beachfront property that contains the ruins of the old Escambia Hotel, which was started in 1925 but abandoned after the boom had well and over. The foundation of the building has stood, for more than 60 years, but it will be abandoned this year as Lacour's new venture takes shape.

Lacour maintains that Paridlo Key is "potentially one of the greatest dead treasures." He will be interviewing and consulting a number of architects to work with him on what he says will be better designed and better-built structures than those on any other part of the Panhandle coast.

Paridlo Key is not a panacea. But it is one of the most precious beaches on the west coast and one of the most important. It is a well-designed and well-designed project under construction and on the drawing boards show great promise. And it seems unlikely that the key will ever be grossly overbuilt, because the land is simply not available.

Paridlo Key, the last key, has been found. It will go on well. It may be discovered again and again in the future as a pleasant and open island that stands in contrast to most of what has been built on the beaches around it.

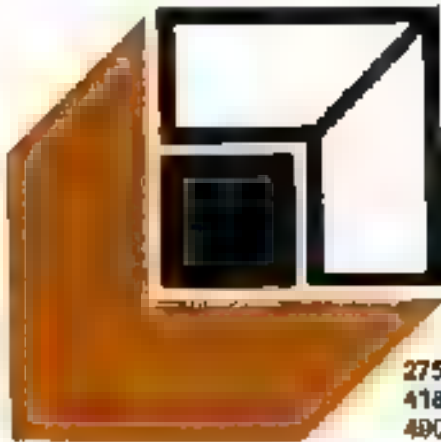
Roy Reynolds is a contributing editor to Florida Trend.

Top: The new luxury homes on Paridlo Key are built on the old site of the Escambia Hotel, which was built in 1925 and abandoned after the boom had well and over. The foundation of the building has stood, for more than 60 years, but it will be abandoned this year as Lacour's new venture takes shape.

Right: The new homes on Paridlo Key are built on the old site of the Escambia Hotel, which was built in 1925 and abandoned after the boom had well and over. The foundation of the building has stood, for more than 60 years, but it will be abandoned this year as Lacour's new venture takes shape.

Right: The new homes on Paridlo Key are built on the old site of the Escambia Hotel, which was built in 1925 and abandoned after the boom had well and over. The foundation of the building has stood, for more than 60 years, but it will be abandoned this year as Lacour's new venture takes shape.





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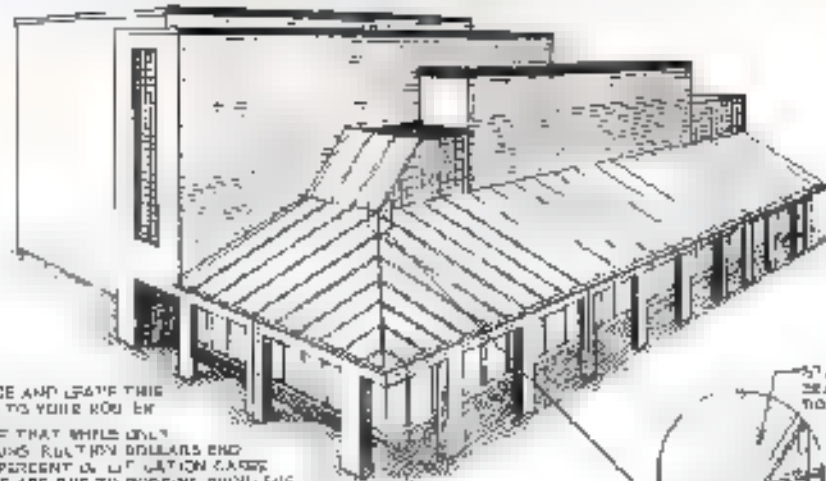
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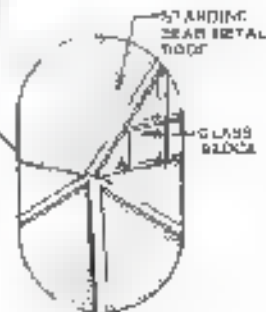
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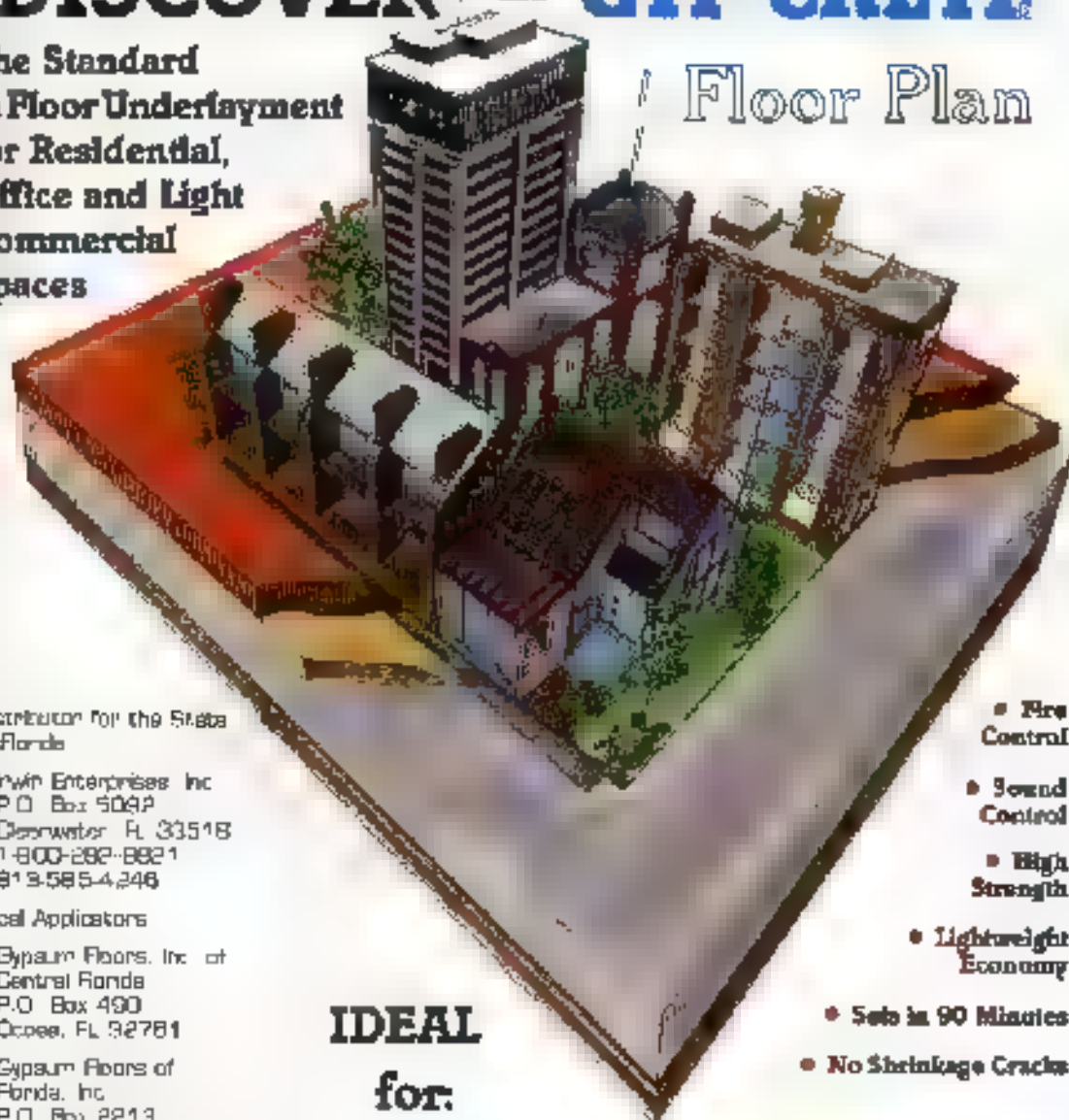


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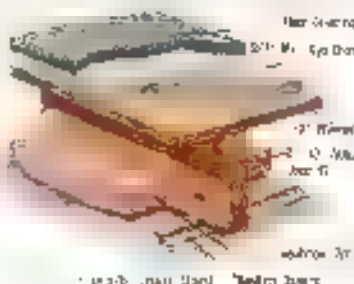
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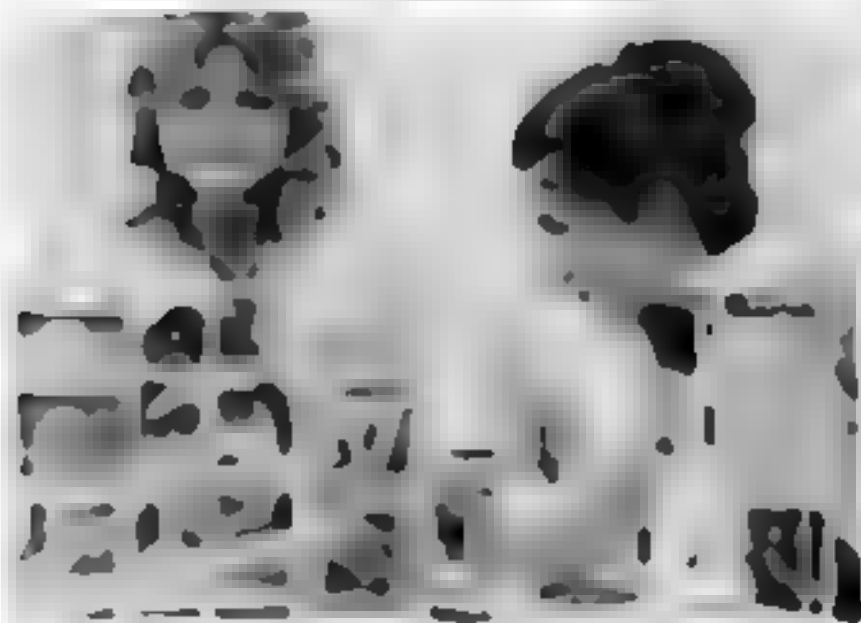
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1. *Chlorophyll *a** and *Chlorophyll *b** were determined by the method of Arar and Collins (1971). The concentration of chlorophylls was expressed as $\mu\text{g mL}^{-1}$ of the sample.

Condition	10-year-olds (%)	12-year-olds (%)	14-year-olds (%)
1	65	75	75
2	75	80	80
3	80	85	85
4	85	80	80
5	85	85	80



NEW BUILDINGS

NORTH COUNTY SENIOR CITIZEN'S CENTER PALM BEACH COUNTY

Patty Doyle

ARCHITECTS:	Schwab & Twitty Architects, Inc.
MECHANICAL, ELECTRICAL ENGINEERS:	Brathorn, DeBay
STRUCTURAL ENGINEERS:	Nichols & Condon
GENERAL CONTRACTOR:	Wentler Construction Company, Inc.
LANDSCAPE ARCHITECTS, LAND PLANNER:	Terra Plan, Inc.
DEVELOPER, OWNER:	Capital Improvement Division of Department of Housing and Community Development, Palm Beach County

The North County Senior Citizen's Center designed by Schwab & Twitty Architects, Inc. of Palm Beach and Houston, Texas, is a one-story 8,200-square-foot facility situated in a 5-acre wooded site in northern Palm Beach County. The center serves as a gathering facility for all senior citizens in the area, regardless of means.

The building was commissioned by the Housing & Community Development Department of Palm Beach County. A site budget was developed and adhered to by all.

This multi-purpose facility provides for dining, lectures and demonstrations. There are facilities as well for games, cards, ceramics and other crafts. There is space for television sessions, meetings, performances and dancing, as well as areas for parking, sheltered and unsheltered.

The planned building, comprised of three major building elements, provides a wide variety of uses for indoor, outdoor and combined uses. It is a multi-use park and provides in this manner a link to the rest of the site. The building is a central hub for the site and a strong indoor/outdoor relationship is promoted.

The building is a link at the rear of the site, providing a link to the rest of the site. It also provides a link to the site. It also provides a link to the site. It also provides a link to the site.



Left: Palm Beach County is a multi-use park and provides in this manner a link to the rest of the site.

Top: Interior view of the building, showing a large, open space with a circular feature in the foreground and a large window in the background.




Below: Interior view of the building, showing a large, open space with a circular feature in the foreground and a large window in the background.


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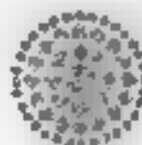
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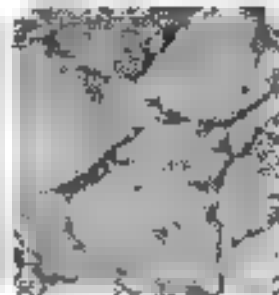
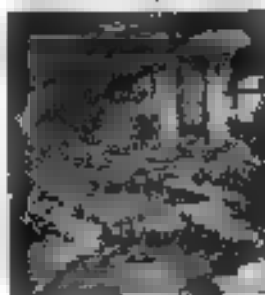
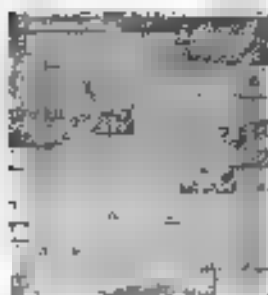
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PRODUCT NEWS

NEW CONCEPTS IN WALL SYSTEMS FOR COMMERCIAL BUILDINGS

Alan S. Goss

Of all the techniques being used today to conserve energy in new commercial buildings, one of the most promising

solution systems would have been those options which they did not address the underlying problems.

In addition to minimizing the potential for differential

soil coat systems, synthetic and polymeric coatings can be used to

retrofit concept are as logical as they are. From a thermal efficiency perspective,

of frame bridges or short circuits through which

product itself and coating system that

these properties and can be relied

to separate the sidewall area from outside

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cal factor affecting long-term performance of an insulating material is its ability to resist the intrusion of moisture. In above

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Abstract *Background:* The purpose of this study was to determine the prevalence of self-reported depression and anxiety among a sample of young adults in the United States. *Methods:* Data were obtained from the 2004 National Longitudinal Study of Adolescent Health, a nationally representative sample of adolescents and young adults. *Results:* The prevalence of self-reported depression was 10.3% and self-reported anxiety was 11.8%. *Conclusions:* The prevalence of self-reported depression and anxiety among young adults in the United States is high. *Keywords:* Depression, Anxiety, Prevalence, Young Adults.

[illegible]

1. The first part of the paper is devoted to a discussion of the
 2. various methods of determining the rate of reaction. The
 3. second part is devoted to a discussion of the various
 4. factors which influence the rate of reaction. The
 5. third part is devoted to a discussion of the various
 6. theories of reaction rates. The fourth part is devoted to a
 7. discussion of the various applications of reaction rates.

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WILL ALGAE FUEL FLORIDA IN THE FUTURE?

Jack McClintock

The "greenhouse effect" is no longer a myth. As steadily advancing reality, it will put half of Florida under the Atlantic Ocean in less than 70 years if use of fossil fuels—petroleum, coal and gas—continues unabated.

Due to the greenhouse effect, higher atmospheric temperatures will melt the polar ice caps at an increasing rate, causing the world's oceans to rise and flood almost half of Florida by 2050, according to Dr. T. Nijal Vozinoglu, Director of the Clean Energy Research Institute (CERI) at the University of Miami.

To counteract this effect, more than 400 scientists, engineers and architects from 50 countries met in Miami Beach in December, 1983, to exchange information about the latest research results on the alternatives to fossil fuel energy.

The purpose of the Sixth Annual International Conference on Alternative Energy Sources was to facilitate the discovery of a clean, economic and undeploable energy source.

At the University of Miami, some interesting work is taking place in this regard.

Dr. Akira Mitsui held a test tube up near a window and light flowed through the liquid inside. Mitsui shook the tube and bubbles danced. He held power in his fingers.

In the part of the world where Akira Mitsui lives—Miami, Florida—the average house uses 1,000 kilowatt-hours of electricity per month, for which the consumer pays \$66.56. Like everyone else, Mitsui must buy his kilowatts from the power company, which like many power companies, uses a combination of oil, coal, natural gas and nuclear fission to generate electricity. They are the best fuels we have just now, but between them they are expensive, dirty, potentially dangerous, or turning out.

At the same time, enough sunlight falls to earth in a single hour to energize the world for a year—if only it were harnessed.

And that's what Mitsui, a biochemist at the University of Miami's Rosentiel

School of Marine and Atmospheric Science, had in the test tube: harnessed energy. The mixture of ordinary seawater and blue-green marine algae held a tiny fraction of the sun's power.

Algae use the sun's energy to carry out life processes. Growing in Mitsui's test tube, the algae uses nothing but the sunlight falling onto it and the hydrogen and nutrients found in the seawater. And it gives off pure hydrogen gas. Hydrogen is an unlimited source of pollution-free energy.

The blue-green algae, a strain discovered by Mitsui and known as Miami BG7, was converting the sun's energy into fuel. Mitsui had to do little more than combine it in the tube with seawater, set it in the sunshine and watch. Sunlighting on one milliliter of seawater and blue-green algae for one day produced one milliliter of pure hydrogen gas.

Mitsui calculates that a tankful of cultured blue-green algae roughly a foot and a half deep and 25 feet by 25 could provide 1000 kilowatt-hours of pollution-free energy a month—all the power the average house needs. And from floating algae farms near the coast or in inland saltwater ponds, blue-green algae could produce enough hydrogen gas someday to power cars, industries, cities.

He says, "The results of our research using special strains indicate that there is a vast, largely untapped, potential for the use of photosynthetic marine microorganisms in development of hydrogen production technology."

He cautions that his work is in the research stage, and that such calculations are from the study of animal systems. "A large system may be less efficient," he says.

It has been known since 1942 that "certain microorganisms were capable of using solar energy to drive a hydrogen-producing reaction," a colleague of Mitsui's, Dr. Edward Phillips, says. It wasn't until 30 years later that the notion of using hydrogen gas as a major fuel got scientists interested in biological hydrogen research. Mitsui was among the first, and

he is convinced that Miami BG7 has commercial potential someday.

The commercial cultivation of algae is not new. It arose first in Japan in the 1940s. Many algae are extremely high in protein, and two of them, *Chlorella* and *Spirulina*, are raised there and sold—at very high prices—as health foods in the country. Algae and bacteria are often used to break down raw sewage while they give off clean oxygen in the process. More recently, the bulk of their cellular remains have been made into animal food and fermented into methane gas. After research by the California Institute of Technology, the General Electric Corp. and the Gas Research Institute in Chicago, it was estimated that harvesting the giant kelp beds and converting these aquatic plants into methane gas could, by the year 2000, satisfy 20 percent of the country's energy needs.

Those figures, like Mitsui's calculations of the size of blue-green algae culture needed to power the average house, are theoretical estimates. More research is needed before any of them can be applied in the real world.

Backed by a grant from the National Science Foundation, Mitsui and his research team of 12-20 members have spent 10 years collecting, isolating, and identifying 6,000 strains of algae from the tropical Atlantic. He was looking for those which could produce hydrogen at commercially usable rates. "Not many strains produce hydrogen," Mitsui says.

But he found a few that do, and one of them—Miami BG7—exhibits, as Mitsui carefully puts it, "especially high light-dependent rates of hydrogen production."

Mitsui and his research assistants found that in the laboratory, Miami BG7 produces hydrogen at a two percent rate of efficiency. When he moved his experiments outdoors, the rate remained the same. An efficiency rate of about ten percent is needed for commercial feasibility, he says. And as efficiency tends to fall with larger size in all biological systems, he is trying to increase it as much as possible while still working on a

small scale

No one knows how far away the ten percent efficiency goal may be. Mitsui is trying to increase the amount of hydrogen produced. He and his team are regulating the nitrogen and mineral composition of the saltwater, and trying various levels of light, temperature, acid balance and salinity to see which the blue-green algae prefer.

The difficulty is that blue-green algae produces only as much hydrogen as it needs to, without regard for the wishes of Akira Mitsui. In nature, as a former graduate student of Mitsui's says, "life in the last lane is not encouraged." Various metabolic inhibitors, population controls, and other genetic feedback prevent growth from turning rampant.

But another technique, developed by Mitsui and his colleagues in the early 1960s and called "cell-free" production, could theoretically deliver efficiency of 30 percent. In cell-free production, all parts of the cell but those which actively produce hydrogen are stripped away, leaving only a kind of tiny, free-running refinery cranking out hydrogen in a non-living environment. The method only works for a short time, however, because the incomplete cells are unstable.

Plexiglas cylinders as tall as a man stand lined outside Mitsui's lab on Bayside Bay. They're filled with seawater and growing blue-green algae. The sunshine pours down onto them and reflects onto them from the blue water. Tubes emerge from the tops of each cylinder, snaking down to instruments measuring the amount of hydrogen produced. At the feet of some are smaller tanks filled with healthy fish which have been fed nothing since birth but algae.

As it happens, Mitsui finds some algae to be perfect food for the cultivation of fish and shrimp. Others are perfect for fertilizer. Still others contain valuable chemicals and medicines. And once the algae has exhausted itself, the remaining cells can be converted into usable fuel: methane gas. All of these processes are cool, clean, self-renewing and non-polluting. In the energy field, they may amount to the closest thing to a free lunch that we're likely to be served.


It is no short-order snack, however.

Mitsui says practical application of biological hydrogen production may be 20-30 years away. But that suits him. "We need not rush to a commercial basis," he says. "We have thinking time before there is shortage of other resources. And there will be lots of problems as we go to larger scales. There always are. So, we take it small, find the problems, solve them, and go on to larger. Time is available for us to study. But in one decade, or 20 or 30


years, we may require pollution free systems. And we will be ready then."

Jack McCintock is a News Feature Writer at the University of Miami, Florida.

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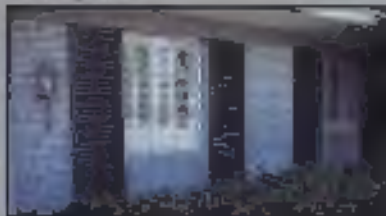
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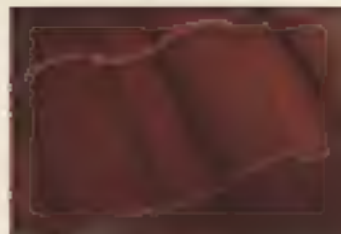
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